

Title (en)

Use of a food probe and a method for recognising the type of a food and monitoring a cooking process of a food stuff

Title (de)

Verwendung einer Nahrungssonde und Verfahren zur Erkennung der Nahrungsart und Überwachung des Kochprozesses von Nahrungsmitteln

Title (fr)

Utilisation d'une sonde alimentaire et procédé de reconnaissance du type d'aliment et surveillance d'un procédé de cuisson et aliment

Publication

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Application

**EP 09011896 A 20090918**

Priority

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Abstract (en)

The present invention relates to a food probe (10) for invading into a food stuff (20). The food probe (10) comprises an elongated rod (12) made of a non-conductive material, a front portion of the elongated rod (12), which front portion is provided for invading into the food stuff (20), a first electrode (14) made of a conductive material and arranged at the front portion of the rod (12), and a second electrode (16) made of a conductive material and arranged at the front portion of the rod (12) in a predetermined distance from the first electrode (14). The first electrode (14) and the second electrode (16) are arranged serially along the longitudinal axis of the rod (12). A voltage can be applied between the first electrode (14) and the second electrode (16), so that an electrical field (22) is generated between and in the environment of the first electrode (14) and the second electrode. Further, the present invention relates to method for recognizing the type of a food and monitoring a cooking process of the food stuff (20) by using the food probe (10).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- US 2006174775 A1 20060810 - YITZCHAK MOR [IL], et al
- DE 3621999 A1 19870122 - SUHL ELEKTROGERAETE VEB K [DD]

Citation (search report)

- [I] DE 3621999 A1 19870122 - SUHL ELEKTROGERAETE VEB K [DD]
- [A] US 6875958 B2 20050405 - SOAVI ALESSANDRO [IT], et al
- [A] DE 3938823 A1 19910529 - MIELE & CIE [DE]
- [A] US 6274850 B1 20010814 - MERCER GARY L [US]
- [A] EP 1253423 A2 20021030 - NTE SA [ES]
- [A] GB 2298923 A 19960918 - CENTRAL RESEARCH LAB LTD [GB]

Cited by

US2012237644A1; CN113812845A; EP2890218A1; US9474404B2

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**EP 09011896 A 20090918**; AU 2010294895 A 20100816; CA 2770043 A 20100816; CN 201080041250 A 20100816; EP 10744537 A 20100816; EP 2010005017 W 20100816; US 201013395500 A 20100816